AMENDED CLAIMS

[received by the International Bureau on December 3, 2004 (03.12.04);
original claims 1 and 4 amended; remaining claims unchanged (2 pages)]

CLAIMS

1. (amended) A superconducting device (30) having an oxide superconducting wire (1) with an oxide superconductor (2) exhibiting a sintering density of at least 93 %, wherein

said oxide superconductor (2) is a Bi-Pb-Sr-Ca-Cu-O-based oxide superconductor containing bismuth, lead, strontium, calcium and copper and including a Bi2223 phase having atomic ratios of (bismuth and lead):strontium:calcium:copper expressed as 2:2:2:3 in approximation.

2. The superconducting device (30) according to claim 1, having said oxide superconducting wire (1) with said oxide superconductor (2) exhibiting said sintering density of at least 95 %.

3. The superconducting device (30) according to claim 2, having said oxide superconducting wire (1) with said oxide superconductor (2) exhibiting said sintering density of at least 99 %.

4. (amended) A superconducting cable (30) having an oxide superconducting wire (1) with an oxide superconductor (2) exhibiting a sintering density of at least 93 %, wherein

said oxide superconductor (2) is a Bi-Pb-Sr-Ca-Cu-O-based oxide superconductor containing bismuth, lead, strontium, calcium and copper and including a Bi2223 phase having atomic ratios of (bismuth and lead):strontium:calcium:copper expressed as 2:2:2:3 in approximation.

5. The superconducting cable (30) according to claim 4, having said oxide superconducting wire (1) with said oxide superconductor (2) exhibiting said sintering

density of at least 95 %.

6. The superconducting cable (30) according to claim 5, having said oxide superconducting wire (1) with said oxide superconductor (2) exhibiting said sintering density of at least 99 %.